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2/5 - (C) WPI / DERWENT

AN - 97-267704 [24]

AP - JP950277032 950929

PR - JP950277032 950929

TI - Production of slow-release medicinal composition for the stomach -  
comprises lyophilising a fluid mixture of medicine, hydrogel-forming  
polymer and water optionally in pockets on synthetic resin sheet

IW - PRODUCE SLOW RELEASE MEDICINE COMPOSITION STOMACH COMPRISE LYOPHILISE  
FLUID MIXTURE MEDICINE HYDROGEL FORMING POLYMER WATER OPTION POCKET  
SYNTHETIC RESIN SHEET

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PN - JP9095440 A 970408 DW9724 A61K9/19 005pp

ORD - 1997-04-08

IC - A61J3/02 ; A61K9/14 ; A61K9/16 ; A61K9/19 ; A61K45/00 ; A61K47/32 ;  
A61K47/34 ; A61K47/36 ; A61K47/38

FS - CPI;GMPI

DC - A11 A14 A25 A97 B07 P33

AB - J09095440 Production of slow-release compositions is by lyophilisation  
of a fluid mixture of a medicine, an hydrogel-forming polymer and  
water, optionally filled in multiple pockets formed on a synthetic  
resin sheet.

- Preferably composition contains 25-95 w/v% of water and 5-75 w/v% of  
hydrogel-forming polymer. The hydrogel-forming polymer is  
hydroxypropyl-cellulose, hydroxypropyl-methylcellulose,  
methylcellulose, PVA, carboxyvinyl copolymer, polyethylene  
oxide, pullulan and/or methacrylic acid copolymer.

- Medicines which are rapidly eliminated from blood (e.g.  
acetaminophen and emorfazone), site specific absorbable medicine  
(e.g. furosemide and riboflavine) and locally-effective medicines  
(e.g. roxithromycin (RXM) and clarithromycin (CAM) are used to prepare  
the composition.

- ADVANTAGE - The composition floats in stomach and slowly releases the  
effective ingredient(s).

- In an example, a mixture of 150g. each of acetaminophen and  
hydroxypropylcellulose and 300g. of water was kneaded and filled in  
0.6 ml. volume stick-type pockets made of synthetic resin and  
lyophilised to give the floating slow-release composition. (Dwg.0/1)

Search statement 14

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